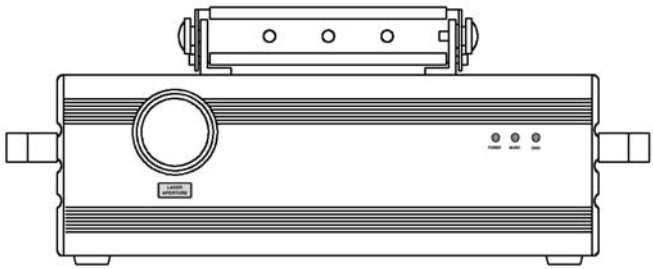
img Stage Line®

LSX-500SRGB



Version: 2.0

This manual contains important laser system safety and operation information. Read and understand all instructions prior to powering on laser unit the first time, to avoid laser eye injury and to avoid breaking the law. Keep this manual in a safe place for future reference.

WARNING DATA

Lasers can be hazardous and have unique safety considerations. Permanent eye injury and blindness is possible if lasers are used incorrectly. Pay close attention to each safety REMARK and WARNING statement in the user manual. Read all instructions carefully BEFORE operating this device.

Attention! Indicates a skill or other useful information for special situations.

Important! Indicates important information to protect people from laser incident or injury.

Caution! Prevent damage or injury from incorrect operation.

Laser! Laser safety warming labels.

Recycle To protect the environment, recycle packing material wherever possible.

Indoor The projector is for indoor use only, IP20. Use only in dry locations. Keep this device away from rain and moisture, excessive heat, humidity and dust. Do not allow contact with water or other fluids.

Disposal Don't throw this product away just as general trash, please dispose of this product following the abandon electronic product regulations in your area.

Location The projector must be installed in a location with adequate ventilation, at least 50cm (20 inches) from adjacent surfaces. Be sure that no ventilation slots are blocked.

LASER SAFETY WARNINGS

Potential laser injury hazard exists with this product! Read these instructions carefully, which includes important information about installation, safe use and service!

Caution: **Avoid direct eye contact with laser light. Never intentionally expose your eyes or others to direct laser light.**

Caution: **This laser product can potentially cause instant eye injury or blindness if laser light directly strikes the eyes.**

Caution: **It is illegal and dangerous to shine this laser into audience areas, where the audience or other personnel could get direct laser beams or bright reflections into their eyes.**

Caution: **It is a US Federal offense to shine any laser at aircraft.**

Caution: **There are no user serviceable parts inside the unit. Do not open the housing or attempt any repairs yourself. In the unlikely event your unit may require service, please contact the dealer nearest to you.**.

NON-INTERLOCKED HOUSING WARNING

This unit contains high power laser devices internally. Do not open the laser housing, due to potential exposure to unsafe levels of laser radiation. The laser power levels accessible if the unit is opened can cause instant blindness, skin burns and fires.

LASER SAFETY AND OPERATING INSTRUCTIONS

STOP AND READ ALL LASER SAFETY DATA

Laser light is different from any other light source with which you may be familiar. The light from this product can potentially cause eye injury if not set up and used properly.

Laser light is thousands of times more concentrated than light from any other kind of light source. This concentration of light power can cause instant eye injuries, primarily by burning the retina (the light sensitive portion at the back of the eye). Even if you can not feel “heat” from a laser beam, it can still potentially injure or blind you or your audience. Even very small amounts of laser light are potentially hazardous even at long distances. Laser eye injuries can happen quicker than you can blink.

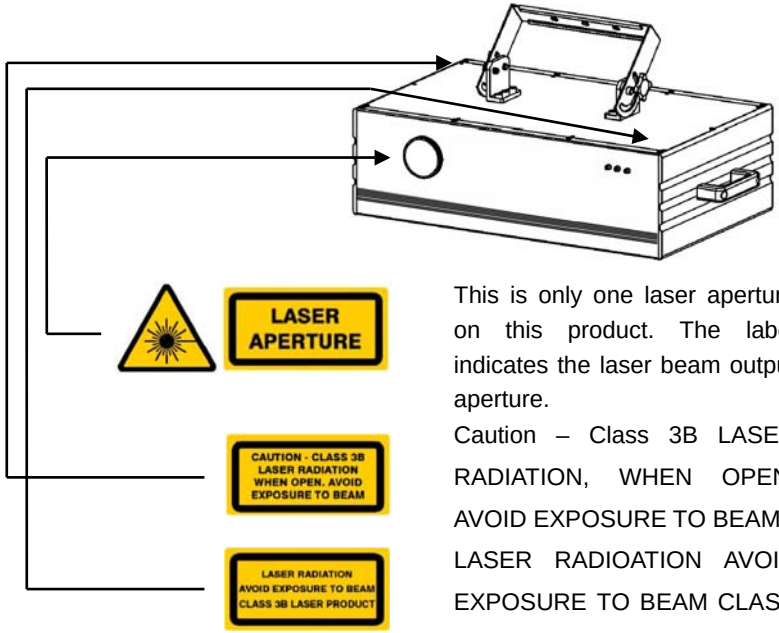
It is incorrect to think that because these laser entertainment products split the laser into hundreds of beams or laser beam is scanned out in high speed, that an individual laser beam is safe for eye exposure. This laser product uses dozens of milliWatts of laser power (Class 3B levels internally). Many of the individual beams are potentially hazardous to the eyes.

It is also incorrect to assume that because the laser light is moving, it is safe. This is not true. Nor, do the laser beams always move. Since eye injuries can occur instantly, it is critical to prevent the possibility of any direct eye exposure. In the laser safety regulation, it is not legal to aim Class 3B lasers in areas which people can get exposed. This is true even if it is aimed below people’s faces, such as on a dance floor.

- Do not operate laser without first reading and understanding all safety and technical data in this manual.
- Always set up and install all laser effects so that all lasers light is at least 3 meters (9.8 feet) above the floor on which people can stand. See “Proper Laser Set-up & Usage” section later in this manual
- Do not point lasers at people or animals.
- Never look into the laser aperture or laser beams.
- Do not point lasers in areas in which people can potentially get exposed, such as uncontrolled balconies, etc.

- Never point a laser at aircraft, this is a federal offense.
- Never point un-terminated laser beams into the sky.
- Do not expose the output optic (aperture) to cleaning chemicals.
- Do not use laser if the laser appears to be emitting only one or two beams.
- Do not use laser if housing is damaged or open, or if optics appear damaged in any way.
- Never open the laser housing. The high laser power levels inside of the protective housing can start fires, burn shin and will cause instant eye injury.
- Never leave this device running unattended.
- The operation of a class 3B laser show laser is only allowed if the show is controlled by a skilled and well-trained operator familiar with the data included in this manual.
- The legal requirements for using laser entertainment products vary from country to country; the user is responsible for the legal requirements at the location/country of use.
- Always use appropriated lighting safety cables when hanging lights and effects overhead.

LASER SAFETY LABEL REPRODUCTIONS


LASER APERTURE
CAUTION - CLASS 3B LASER RADIATION WHEN OPEN. AVOID EXPOSURE TO BEAM
LASER RADIATION AVOID EXPOSURE TO BEAM CLASS 3B LASER PRODUCT

This is only one laser aperture on this product. The label indicates the laser beam output aperture.

Caution – Class 3B LASER RADIATION, WHEN OPEN, AVOID EXPOSURE TO BEAM LASER RADIOATION AVOID EXPOSURE TO BEAM CLASS 3B LASER PRODUCT.

LASER EXPOSURE WARNING

LASER LIGHT
AVOID DIRECT EYE EXPOSURE

Further guidelines and safety programs for safe use of lasers can be found in the ANSI Z136.1 Standard “For Safe Use of Lasers”, available from “www.laserinstitute.org”. Many local governments, corporations, agencies, military and others, require all lasers to be used under the guidelines of ANSI Z136.1. Laser Display guidance can be obtained via the International Laser Display Association, www.laserist.org.

LASER EMISSION DATA

Laser Classification	Class 3B
Green Laser Medium	DPSS Nd:YVO4,532nm
Red Laser Medium	LD GaAlAs 650nm,typical
Blue Laser Medium	DPSS Nd:YVO4,473nm
Beam Diameter	<5mm at aperture
Divergence(each beam)	<2 mrad
Divergence(total light)	<90 degrees
Laser power	R>350mW, G>60mW, B>50mW
Transverse Beam Mode	TEM_{00}
Cooling	TEC & Fan Cooling
Scanning	DC to 20KHz, ±25 Degrees X & Y

* As measured under IEC measurement conditions for classification.

Note: The laser diode is exposed to extreme conditions due to the high output power and therefore only has a limited life. Like all wear parts, the laser diode is not subject to any guarantee claims.

LASER COMPLIANCE STATEMENT

This laser product complies with EN/IEC 60825-1 Ed 2, 2007-03, and US FDA/CDRH FLPPS via the terms of Laser Notice No. 50 dated June 24, 2007.

GENERAL SAFETY INSTRUCTIONS

Every person involved with installation and maintenance of this device has to:

- Be qualified
- Follow the instructions of this manual

CAUTION! Be careful with your operations. With a high voltage you can suffer a dangerous electric shock when touching the wires!

This device has left out premises in absolutely perfect condition. In order to maintain this condition and to ensure a safe operation, it is necessary for the user to follow the safety instructions and warning notes written in this manual.

Important! The manufacturer will not accept liability for any resulting damages caused by the non-observance of this manual or any unauthorized modification to the device.

- Please consider that damages caused by manual modifications to the device are not subject to warranty.
- Never let the power-cord come into contact with other cables! Handle the power-cord and all connections with the mains with particular caution!
- Make sure that the available voltage is not higher than stated on the rear panel.
- Always plug in the power plug least. Make sure that the power-switch is set to off-position before you connect the device to the mains. The power-plug has to be accessed after installing the device.
- Made sure that the power-cord is never crimped or damaged by sharp edges. Check the device and the power-cord from time to time.
- Always disconnect from the mains, when the device is not in use or before cleaning it. Only handle the power-cord by the plug. Never pull out the plug by tugging the power-cord.
- It is essential to connect the yellow/green conductor to earth.
- The electric connection, repairs and servicing must be carried out by a

qualified employee.

- Do not switch the fixture on and off in short intervals as this would reduce the laser diode life.
- For replacement, please use fuses of same type and rating only.
- If the device has been exposed to drastic temperature fluctuation, do not switch it on immediately. The arising condensation water might damage your device. Leave the device switched off until it has reached room temperature.
- Do not shake the device. Avoid brute force when installing operating the device.
- When choosing the installation-spot, please make sure that the device is not exposed to extreme heat moisture or duct. There should not be any cables lying around. You endanger your own and the safety of others!
- The minimum distance between the fixture and surrounding walls must be more than 50cm.
- Always fix the fixture with an appropriate safety-rope. Fix the safety-rope at the safety-rope only.
- The ambient temperature must be between 10℃ to 40℃.
- Please use the original packaging if the device is to be transported.
- Please consider that unauthorized modifications on the device are forbidden due to safety reasons!

CAUTION! Operate the device only after having familiarized with its functions. Do not permit operation by persons not qualified for operating the device. Most damages are the result of unprofessional operation!

CAUTION! If this device will be operated in any way different to the one described in this manual, the product may suffer damages and the warranty void.

BEFORE OPERATION

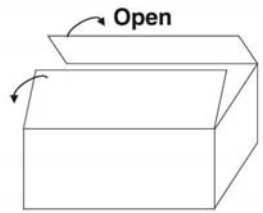
Unpacking Instructions

CAUTION! Immediately upon receiving a fixture, carefully unpack the carton, check the contents to ensure that all parts are present, and have been received in good condition. Notify the shipper immediately and retain packing material for inspection if any parts appear damage from shipping or the package itself shows signs of mishandling. Save the package and all packing materials. In the event that a fixture must be returned to the factory, it is important that the fixture be returned in the original factory box and packing.

What is Included

The carton or flight case contain following items:

NAME	QTY
Laser Light	1 PCS
KEYs (for key switch)	2PCS
Power Cord	1 PCS
Interlock Connector	1 PCS
20m DB25 ILDA Cable	1 PCS
USER MANUAL	1 PCS
Flight Case	1PCS

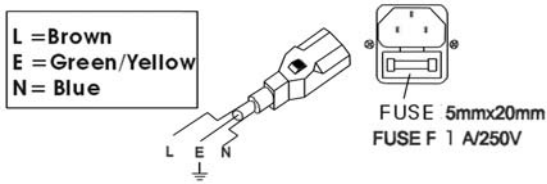


Power Supply

To determine the power requirements for a particular fixture, see the label affixed to the back plate of the fixture of refer to the fixture's specifications chart. A fixture's listed current rating is its average current draw under normal conditions. All fixtures must be powered directly off a switched circuit and can not be run off a rheostat (variable resistor) or dimmer circuit, even if the rheostat or dimmer channel is used solely for a 0% to 100% switch. Before applying

power to a fixture, check that the source voltage matches the fixture's requirement.

The unit is supplied with a power plug appropriate to its voltage and destination. Should any other connections be required they must be carried out with the following configuration.

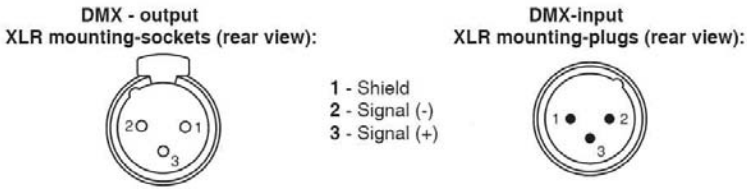


Cable(EU)	Cable(US)	Pin	International
Brown	Black	Live	L
Light blue	White	Neutral	N
Yellow/Green	Green	Earth	⏚

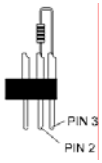
DMX-512 connection between fixtures

The fixture is equipped with 3-pin XLR sockets for DMX input and output. The sockets are wired in parallel. Only use a shielded twisted-pair cable designed for 3-pin XLR-plugs and connectors in order to connect the controller with the fixture or one fixture with another.

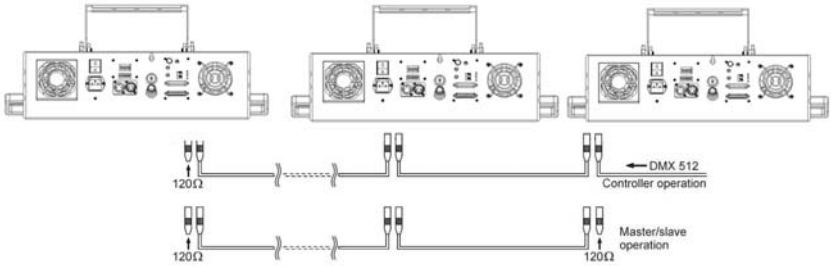
Occupation of the XLR-connection



Caution! At the laser fixture, the DMX-cable has to terminate with a terminator. Solder a 120 Ohm resistor between Signal (-) and Signal (+) into a 3-pin XLR-plug and plug and plug it in the DMX-output of the last fixture.



Building a serial DMX-chain

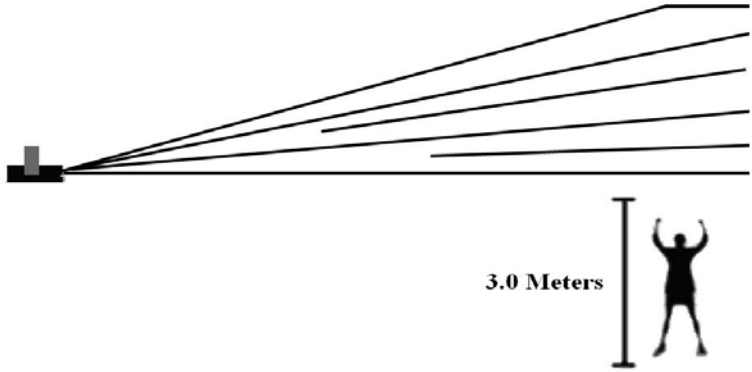


- If you are using the standard DMX-controllers, you can connect the DMX-output of the controller directly with the DMX-input of the first fixture in the DMX-chain. If you wish to connect DMX-controllers with other XLR-outputs, you need to use adapter cables.
- Connect the DMX-output of the first fixture in the DMX-chain with the DMX-input of the next fixture. Always connect output with the input of the next fixture until all fixtures are connected.
- If you use a controller with 5 pins DMX connector, you need to use a 5 to 3 pins adapter.
- At last fixture, the DMX cable has to be terminated with a terminator. Solder a 120 Ohm 1/4W resistor between pin 2(DMX-) and pin 3(DMX+) into a 3 pins XLR-plug and plug it in the DMX-output of the last fixture.
- Connect the fixture together in a daisy chain by XLR plug cable from the output of the fixture to the input of the next fixture. The cable cannot be branched or split to a Y cable. DMX 512 is a very high speed signal. Inadequate or damaged cables, soldered joints or corroded connectors can easily distort the signal and shut down the system.
- The DXM output and input connectors are pass-through to maintain the DMX circuit, when power is disconnected to the unit.
- Each fixture needs to have a DMX address to receive the data from the controller. The DMX address number which could be read from rear panel of each fixture is between 000~511.
- The end of the DMX 512 chain should be terminated to reduce signal errors.

Proper Laser Set Up & Usage

This fixture has been designed to be hung. It is recommended for safety purposes, your lighting effect are properly mounted using a suitable hanging clamp and safety cable. Items appropriate for safe and effective mounting are easily sourced from your lighting vendor.

International laser safety regulations require that lasers must be operated in the fashion illustrated below, with a minimum of 3 meters (9.8 ft) of vertical separation between the floor and the lowest laser light vertically. Additionally, 2.5 meters of horizontal separation is required between laser light and audience or other public spaces.



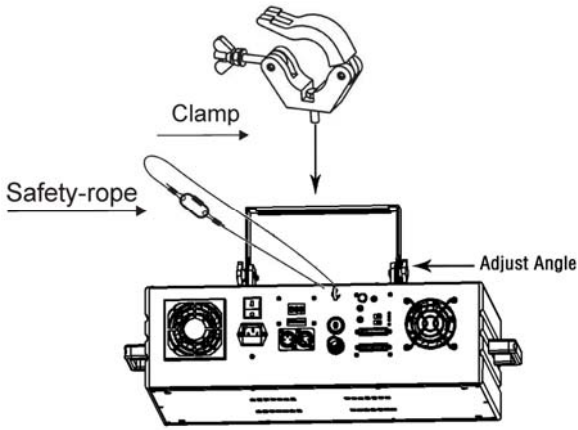
CAUTION: Use of controls, adjustments, or performance of procedures other than what is specified herein may result in hazardous radiation exposure

Rigging the Fixture

CAUTION: Please consider the respective national norms during the installation! The installation must only be carried out by an authorized employee or dealers!

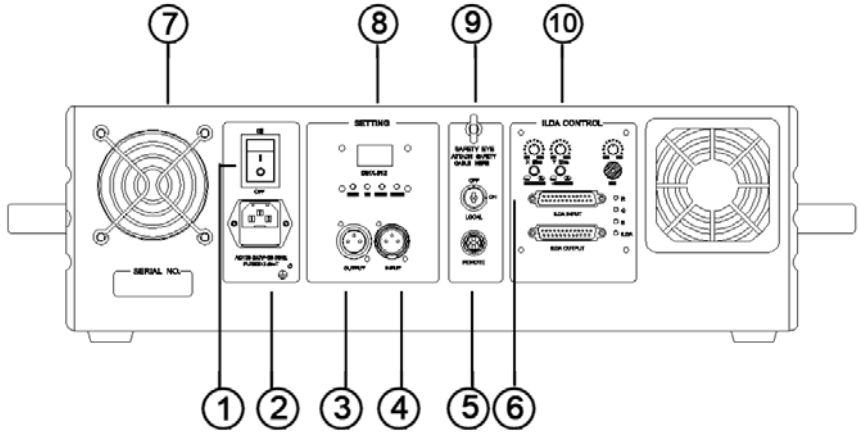
- The installation of the fixture has to be built and constructed in a way that it can hold 10 times the weight for 1 hour without any harming deformation.
- The installation must always be secured with a secondary safety attachment, e.g. an appropriate catch net. This secondary safety attachment must be constructed in a way that no part of the installation can fall down if the main attachment fails.
- Make sure the area below the installation place is free from unwanted persons during rigging, de-rigging and servicing.
- The operator has to make sure that safety-relating and machine-technical installations are approved by an expert before taking into operation for the first time and after changes before taking into operation another time.
- The operator has to make sure that safety-relating and machine-technical installations are approved by a skilled person once a year.
- The fixture should be installed in the position where persons cannot reach and where persons may walk by or be seated.

CAUTION: When installing the device, make sure there is no highly in inflammable material (decoration articles, etc.) in between a distance of min 0.5 meter.



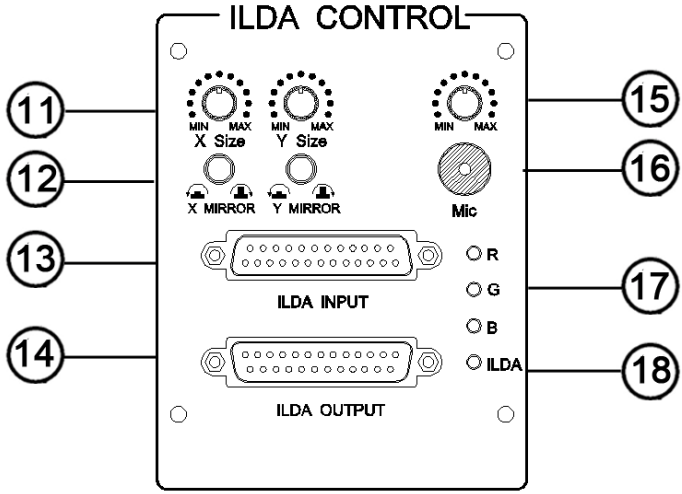
RODUCT OVERVIEW

Rear Panel



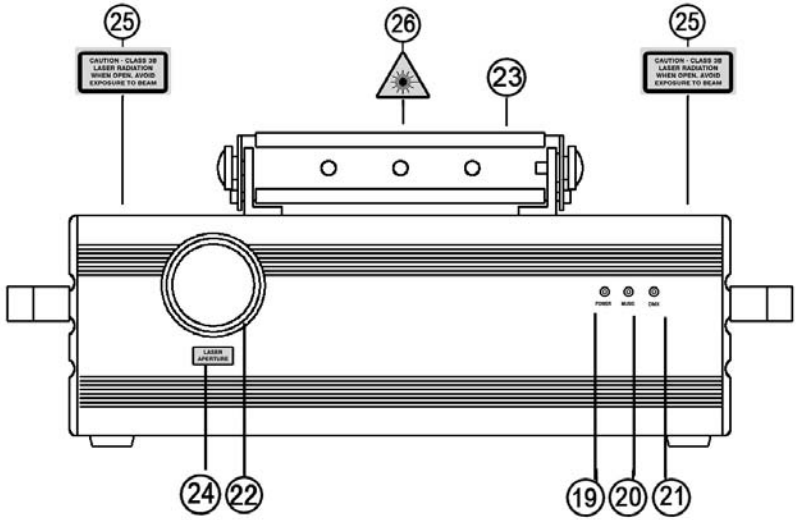
NO	NAME	FUNCTION
1	**Switch**	Switch on and off the power
2	**Mains input**	With socket and integrated fuse holder
3	**DMX output**	3PIN Female XLR port，using for DMX
4	**DMX input**	3PIN Male XLR port, using for DMX
5	**Urgent and safe switch**	Switch off the laser manually if error occurs
6	**Key switch**	Make sure the professional person use
7	**Cooling fan**	Cooling and never cover this fan outlet
8	**LED control Panel**	Intelligent LED control panel of the system
9	**Safety eye**	Attach the safety cable
10	**ILDA / Hardware Setting**	Sound, Music, ILDA, Patterns Setting

ILDA / Hardware Setting Panel



NO	NAME	FUNCTION
11	**X SIZE** **Y SIZE**	The Size of X / Y axis adjustment
12	**X MIRROR** **Y MIRROR**	X / Y axis mirror setting (It could be done by LCD control panel as well)
13	**MIC**	Microphone. Turn the knob to adjust the sound activated sensitivity.
14	**ILDA INPUT**	Standard ILDA DB25 Input
15	**ILDA OUT**	Standard ILDA DB25 Output(thought)
16	**R G B**	Laser beam output indicator LED.
17	**ILDA**	ILDA connection indicator LED. Green is connection and red is disconnection.

Front Panel



NO	NAME	FUNCTION
19	**POWER**	Indicates that the unit is switched on.
20	**DMX**	DMX connection indicated LED. Red is DMX connected, Green is preprogram standalone mode.
21	**MUSIC**	Flashes to the sound of the music detected by the mic
22	**Laser output**	Laser output aperture.
23	**HANGING BRACKET**	With 2 knobs on both sides to fasten the unit and a mounting hole to fix a mounting hook.
24	**WARNING LABEL**	laser aperture
25	**WARNING LABEL**	Caution-Class 3B laser
26	**LASER WARNING SIGN**	Warms against apotentially dangerous laser when not used by skilled operators.
27	**WARNINGLABEL**	Laser radiation Avoid exposure to beam. Class 3B laser product.

IMPORTANT

For your own safety and full laser safety regulation, we do strongly recommend you to take this optional switch!

CONTROL & FUNCTION

- Regular breaks during operation are essential to maximize the life of this device as it is not designed for continual use.
- Do not switch the unit on and off in short time intervals
- Always unplug the unit when it is not used for a longer time. Or before replacing the bulb or start servicing.
- In the event of serious operation problems, stop using the fixture and contact your dealer immediately.
-

Attention Laser will be output from laser aperture in 5 seconds after the unit is powered on.

Operating Mode

When laser is powered on, LED monitor on rear panel shows the current operating standalone mode or DMX address of DMX mode. With help of LED control panel, is very easy to set and change the operating mode of laser. After every resetting and saved, the new mode information will be shown on LED monitor at next power on.

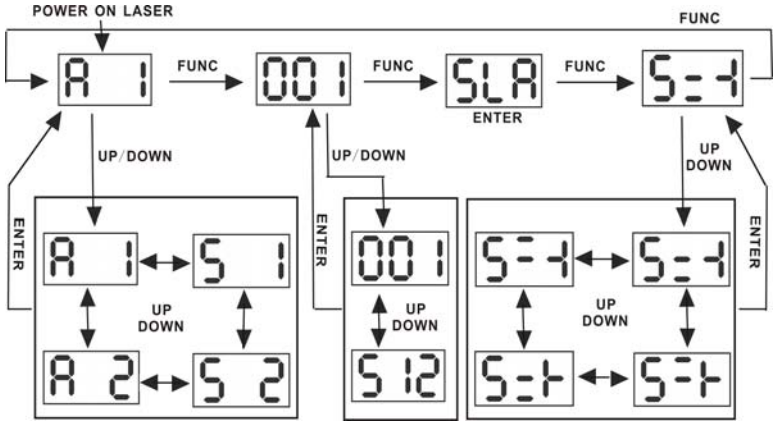
FUNC Mode/Function Option, to choose the operating mode of laser.

ENTER Confirmation, to confirm all setting or change of LED control panel.

UP

DOWN UP/DOWN, to change operating mode, parameter or DMX address.

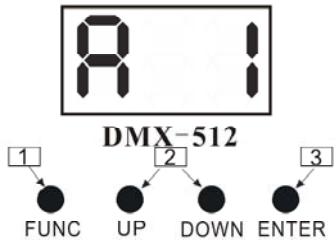
Operation



Stand Alone Preprogram Laser Show

- Press FUNC to enter MODE OPTION.
- Till to LED panel show any one of “A1, A2, S1 , S2”.
- Press UP or DOWN to select your favorite Stand Alone mode as above.
- Press ENTER to confirm the setting.

The laser is working in stand alone. Each time when you turn on your laser, you have this confirmed laser show.



In the MODE OPTION setting, the stand alone laser show that you are going to choose is flashing. Press UP or DOWN to change stand alone laser show, you will have 4 different stand alone preprogrammed laser show. Their DISPLAY and EFFECT are listed below:

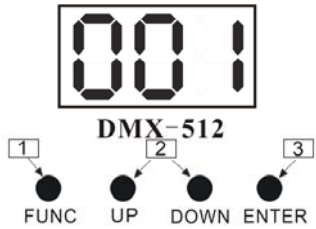
DISPLAY		STAND ALONE MODE LASER EFFECT
A 1	A1	Auto laser show with random order
A 2	A2	Auto laser show with traditional order
S 1	S1	Sound activated laser show with random order
S 2	S2	Sound activated laser show with traditional order

Attention: **In S1 or S2 MODE (Sound Activated Mode), the laser will be blocked out in 3 second when MIC Signal was not detected.**

DMX MODE

- Press FUNC to enter MODE OPTION
- Till to LED panel shows 001.
- Press UP or DOWN to select the DMX 512 ADDRESS among 001-512.
- Press ENTER to confirm the setting

The laser is working in DMX MODE. With help of UP and DOWN button, the DMX address could be set.

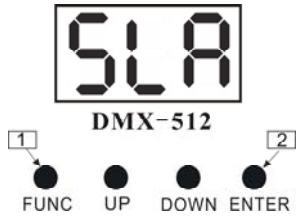


Attention **In DMX MODE, once the DMX cable is connected with laser and DMX controller, the DMX LED in front panel of laser will be ON.**

SLAVE MODE

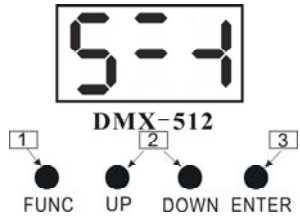
- Press FUNC to enter MODE OPTION.
- Till to LED panel shows SLA
- Press ENTER to confirm the setting

The laser is working in “SLAVE MODE”. Connect MASTER laser with several SLAVE laser with DMX cable, the SLAVE lasers do what exactly the MASTER laser does. Please check “5.2 DMX connection” to have more details about laser connection.

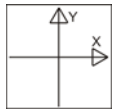
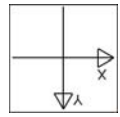
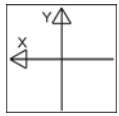
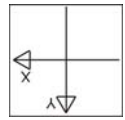


PATTERN MIRROR REVERSE SETTING

- Press FUNC to enter MODE OPTION
- Till to LED panel show any one of S-1, S-2, S-3, S-4 .
- Press UP or DOWN to select pattern mirror mode as above.
- Press ENTER to confirm the setting.



In the MODE OPTION setting, the pattern mirror mode that you are going to choose is flashing. Press UP or DOWN to change pattern mirror mode, you will have 4 different pattern mirror mode. Their DISPLAY and OUTPUT are listed below：

DISPLAY	PATTERN MIRROR OUTPUT	DISPLAY	PATTERN MIRROR OUTPUT
S-1		S-3	
S-2		S-4	

Attention **Beside of LED programmed mirror reverse setting, the laser scanned world could be set by ILDA control panel.**

ILDA Control Mode

- This unit has the ILDA DB25 port, and it can be controlled by the PC, There is auto transform set in the inside of the unit to transform the ILDA and preprogrammed show. when connecting with the 25 pin cable, the unit will be control by PC, when disconnect the unit, it will be preprogrammed program control。
- In the theory, as long as it is ILDA B25，It can control this unit, but in the reality, some of the software can not control this unit, for the 4 pin and the 17 pin of the output card has not connect. In fact this is an easy problem. As long as you connect them. It can control this unit.

DMX Channels Chart

ATTENTION:

Several optional operating modes were preprogrammed set into this laser projector at DMX channel 1. Before control other DMX channels, please be sure that the channel 1 was set in proper mode (value).

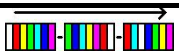
DMX PROTOCOL

CHANNEL	VALUE	DESCRIPTION
CH 1 MODES	000-016	Laser OFF
	016-055	AUTO SHOW 1
	056-095	AUTO SHOW 2
	096-135	MUSIC SHOW 1
	136-175	MUSIC SHOW 2
	176-215	DMX Mini Preprogram Show Mode
	216-255	DMX GOBO MODE

DMX MINI PREPROGRAM SHOW MODE

CHANNEL	VALUE	DESCRIPTION
CH 2 SHOWS	000-255	46 Mini preprogram laser shows

DMX GOBO MODE

CHANNEL	VALUE	DESCRIPTION
CH 2 GROUP	000-255	8 Group
CH 3 PATTERN	000-255	16 Patterns in each group
CH 4 COLOR	000-007	Original
	008-015	Red
	016-023	Green
	024-031	Yellow
	032-039	Blue
	040-047	Purple
	048-055	Light Blue
	056-063	White
	064-111	Color Rolling
	112-159	Color Jumping 
	160-127	Color Moving
	208-255	Strobing
CH 5 CLIPING	000	Full pattern without clipping
	001-127	0%~99% fixed pattern clipped
	128-255	Clipping Speed
CH 6 ZOOMING	000-127	100%-5% fixed pattern zoomed
	128-169	Zooming IN
	170-209	Zooming OUT
	210-255	Alternately Zooming
CH 7 ZOOMSPEED	000-255	Fast to Slow

CH 8 Y AXIS ROLLING	000-127	0 -359 degree fixed Y axis rolled
	128-191	Clockwise rolling
	192-255	Anticlockwise rolling
CH 9 ROLLSPEED	0-255	Fast to Slow
CH 10 X AXIS ROLLING	000-127	0 -359 degree fixed X axis rolled
	128-191	Clockwise rolling
	192-255	Anticlockwise rolling
CH 11 ROLLSPEED	0-255	Fast to Slow
CH 12 Z AXIS ROLLING	000-127	0 -359 degree fixed Z axis rolled
	128-191	Clockwise rolling
	192-255	Anticlockwise rolling
CH 13 ROLLSPEED	0-255	Fast to Slow
CH 14 X AXIS MOVING	000-127	128 different fixed position on X axis
	128-191	Clockwise moving
	192-255	Anticlockwise moving
CH 15 MOVESPEED	0-255	Fast to Slow
CH 16 X AXIS MOVING	000-127	128 different fixed position on Y axis
	128-191	Clockwise moving
	192-255	Anticlockwise moving
CH 17 MOVESPEED	0-255	Fast to Slow

PATTERN LIST

DMX	1 tunnel	2 pole	3 curve	4 line	5 dot	6 graphic	7 Numbe	8 text
000-015								
016-031								
032-047								
048-063								
064-079								
080-095								
096-111								
112-127								
128-143								
144-159								
160-175								
176-191								
192-207								
208-223								
224-239								
240-255								

MAINTENANCE

- Make sure the area below the installation place is free from unwanted persons during servicing
- Switch off the fixture, unplug the mains cable and wait until the unit has been cooled down.
- Housings, fixations and installations spots(ceiling, truss, suspensions) should be totally free from any deformation
- The mains cables must be in impeccable condition and should be replaced immediately when even a small problem is detected
- In order to protect the fixture from overheat the cooling fans (if any) and ventilation openings should be cleaned monthly.
- The cleaning of aperture glass and scanner mirrors must be carried out periodically to optimize light output. Cleaning frequency depends on the environment in which the fixture operates: damp. smoky or particularly dirty surroundings can cause greater accumulation of dirt on the unit's optics
  1) Clean with a soft cloth using normal glass cleaning products.
  2) Always dry the parts carefully.
  3) Clean the Aperture glass at least once every 30 days
- The interior of the fixture should be cleaned annually using a vacuum cleaner or air-jet.

ATTENTION:

We strongly recommend internal cleaning to be carried out by qualified worker!

TROUBLE SHOOTING

Following are a few common problems that may occur during operation. Here are some suggestions for easy troubleshooting:

- The fixture does not work, no laser and the fan does not work.

1) Check the connect power and main fuse.
2) Measure the mains voltage on the main connector.
3) Check the power on indicated LED.

- The fixture is power on, but no laser coming out from aperture.

1) Check the laser aperture cover.
2) Check the key switch.
3) Check the remote interlock or interlock connector.
4) Wait for at least 30 minutes to warm up in low temperature.
5) Check whether it is in music mode without sound signal.
6) Check whether it is in Slave mode.
7) Check whether it is in DMX without DMX signal.

- The laser effect power is very weak.

1) Wait for at least 30 minutes to warm up in low temperature.
2) Clean the scanner mirror with alcohol.
3) Clean the aperture glass with alcohol.
4) Check whether it is in DMX with high strobe frequency.

- The laser is on, but the pattern is not moving.

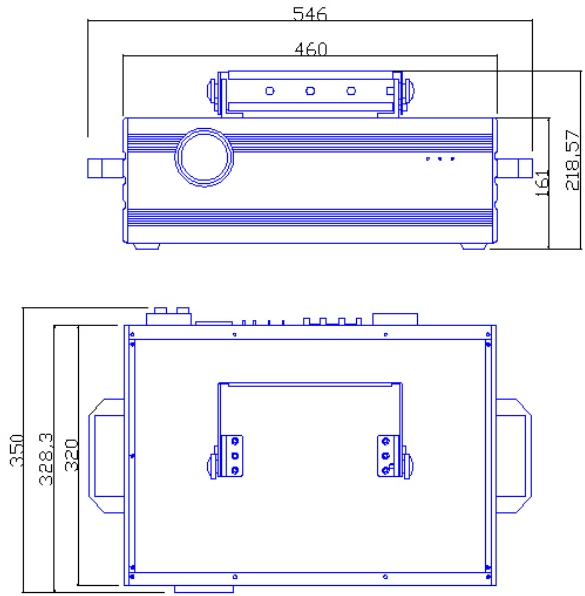
1) Check to see whether it is in Music/Sound mode without detecting sound signal.
2) Check to see whether it is in DMX mode with further DMX control.
3) Try to change the fixture to another stand alone mode.
4) Try to control the fixture with DMX to see the laser effect system.

- Not responding to DMX controller

1) Check the DMX address settings and DMX polarity
2) If you have intermittent DMX signal problems, check the pins on connectors of the fixture or the previous one.
3) Try to use another DMX controller.
4) Check to see if the DMX cables run near or run alongside to high voltage cables that may cause damage or interference to DMX interface circuit.

SPECIFICTAIONS

Mains Input:	AC100~240V, 50/60Hz
Fuse:	250V 3.15A Slow Blow (20mm Glass)
Total Power:	50W
X/Y Axis Beam Angle:	±25°
Control Mode:	Auto, Sound, DMX, Slave, ILDA
Laser Power:	350mW 650nm Red CW 60mW 532nm Green CW 50mW 473nm Blue CW
Laser Classification:	Class 3B
Laser Safety Standard:	EN60825-1 2007
Condition Temperature:	10~40℃
DMX Connections:	3 pins XLR Male/Female
DMX Channels	Max 17 channels
Measurement:	See picture below
N Weight:	12Kg



Specifications subject to change without prior notice.

The availability of particular products may vary by region. Please check with the dealer.